CyberPix S-511S Manual

1. Get to know your camera

1.1 Features

Image sensor: ½" CMOS sensor
Video clips
Web camera
Built-in flash Light
1.3" CSTN real color display
Internal 16MB flash memory and SD card support
Driver free for Windows 2000/ME/XP/Vistaand MAC 9.x and X.x
Macro mode

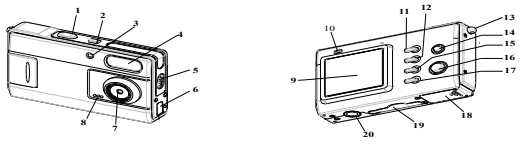
1.2 Specifications

Sensor	½" CMOS sensor
Image resolution	12.0 Mega pixels: (4032 x 3024)
	8.0 Mega pixels: (3264 x 2448)
	5.0 Mega pixels: (2560 x 1920)
	3.1 Mega pixels: (2048 x 1536)
	1.3 Mega pixels: (1280 x 960)
	300K pixels: (640x480)
Lens	F/2.8 f=8.5mm
Focus range	0.5m. - Infinity
Macro mode	11cm – 18cm
Digital zoom	4x
Flash strobe	Built-in (Auto/force/off)
LCD display	1.3" real color CSTN
White balance	Auto/ cloudy/Tungsten/Fluorescent
Video mode	20-30fps@QVGA & 10-20fps@VGA
Built-in memory	16MB Flash memory
Picture Capacity in 16M memory (The quantity of pictures varies and depends on the complexity of the scene)	12.0 Mega pixels (4032 x 3024) ----5-12 Pictures
	8.0 Mega pixels (3264 x 2448) ----8-15 Pictures
	5.0 M : (2560 x 1920)----15-35 Pictures
	3.1 M : (2048 x 1536)----- 20-50 Pictures
	1.3 M : (1280 x 960)-----40-100 Pictures
	VGA: (640x480)--------120-260 Pictures
External memory card	SD card, supports up to 2G
File format	Picture: JPEG, Video: AVI,
Self timer	2 /10 seconds
PC interface	USB 1.1
Power source	2xAAA alkaline batteries

1.3 System requirement

Operating System	Windows 2000/ME/XP/Vista
	Mac 9.x or X.x
CPU	Pentium II or above
RAM	At least 64MB
Interface	USB port
CD	4x speed CD ROM or above

2. Functional parts:



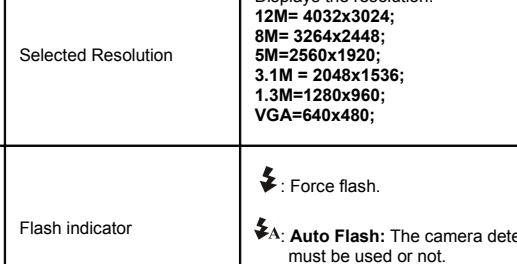
1	Shutter / OK button	Press this button to take photographs or to start/stop recording a short video clip. This button can be also used to confirm changes.
2	Power on/off button	The camera is turned on by pressing it; press it again to turn off.
3	Self-timer indicator	Flashes when the self-timer function is used.
4	Flash light	Use the built-in flash to give the subject extra lighting if it is in dark surroundings (the best flash distance is recommended within 1.5 m.).
5	Macro mode Switch	**Macro mode:** To take close-up photographs (distance 11cm- 18cm). **Normal mode:** To take photographs of the surroundings or people (distance of approximately 0.5M - infinity).
6	USB interface	Connect the camera to the computer. Via this connection, you can save photographs and video clips on a computer or use the camera as a web cam to chat on the Internet.
7	Lens	Records the image to be taken. ***Note:*** *Keep the lens clean. Dirt and fingerprints affect the outcome of the picture.*
8	Buzzer	Buzzer
9	LCD screen	On the (CSTN) LCD screen, you can do the following: view the image to be photographed (Preview), view photographs and video clips, view camera setting, and set the camera.
10	CHARGE LED	When the indicator is light, the camera is in CHARGE mode.
11	UP	UP \ Digital zoom in
12	Down	Down & Digital zoom out3
13	Strap hook	Hook for attaching the wrist strap to the camera.
14	Menu	For the camera setting.
15	Left / flash light	For menu left selection and flash light setting.
16	Playback/Mode	Press it to playback mode, Press it and hold 2 seconds to different mode selection.
17	Right /display	For menu right selection and LCD display on / off.
18	Battery door	2xAAA alkaline batteries
19	SD card slot	SD card slot.
20	Tripod connector	For fix up the camera on tripod.

3. See following details to setting your digital camera.

Picture	Resolution	4032 x 3024	12M pixel resolution
		3264 x 2448	8.0M pixel resolution
		2560 x 1920	5.0M pixel resolution
		2048 x 1536	3.1M pixel resolution
		1280 x 960	1.3 M pixel resolution
		640 x 480	VGA resolution:
	Quality	Fine(Default)	Picture quality set
		Standard	
		Economy	
	Exposure value	-2,-1.5,-1.0,-0.5,0, 0.5,1.0,1.5,2	Level of exposure
	White balance	auto (Default)	Automatic light balance
		Cloudy	Light balance selected for cloudy surrounding
		tungsten	Light balance selected for tungsten lighting
		Fluorescent	Light balance selected for fluorescent surrounding
	Continuous shoot	Continuous shoot	Can continuously shoot up to 3 pictures within 10 seconds.
	Self timer	2s Self timer	Set the delay time at 2s to take a picture
		10s	Set the delay time at 10s to take a picture
SET	Format	Execute/cancel	Format the memory card.
	Auto power off	3 min/off	Auto power off in 3min if not operating
	Sys. Reset	Execute/cancel	Restore default setting
	50 /60	50 50Hz	Main European electricity frequency
		60 60Hz	Main American electricity frequency
	System	USB connection	Mass-storage mode — Actual like a hard disk.
			PC-Camera mode — Actual like a web camera.

Note: *The settings will not change when the camera is turned off*

4. Explanation of the status icons on the LCD screen



Item	Function	Description
1	Battery indicator	The batteries are full. The batteries are empty.
2	Recording mode	= Setting for photographs taking = Setting for videos capture
3	Normal / Macro mode indicator	Normal mode (0.5m – infinity) Macro mode (11cm –18cm)
4	Memory or SD card indicator	Indicates memory or SD card M: Pictures stored in built-in memory : Pictures stored in SD card
5	Photo/video counter	Photo mode :No. of balance picture can be taken; Video mode: Balance of recording time in second; Playback mode: The No. of pictures or video clips
6	Selected Resolution	Displays the resolution. **12M= 4032x3024;** **8M= 3264x2448;** **5M=2560x1920;** **3.1M = 2048x1536;** **1.3M=1280x960;** **VGA=640x480;**
7	Flash indicator	: Force flash. A: **Auto Flash:** The camera determines if the flash must be used or not. **No Flash:** The flash is turned off.

5. Using the camera

5.1 Installing the batteries

1. Open the battery door.
2. Insert 2 AAA alkaline batteries into the camera.
3. Turn on the camera.

Press the POWER button to turn it on (press it again to turn off).

5.2 Inserting the optional memory card (not included)

This camera has built-in internal memory. This memory can be extended with a SD memory card (not included).
Follow the instructions given below to insert the optional SD memory card into the camera.

1. Turn off the camera first.
2. Insert the SD card into the camera.

Note: *There is only one way to insert the SD memory card into the slot. Do not force the card into the slot. This may damage both the camera and the SD memory card.*

Note: *The SD memory card must be formatted before taking photographs. See the following sections for more information.*

5.3 Formatting the memory

If you use a SD card, it must first be formatted before you can take photographs. Follow the instructions given below to do this.

1. Press Menu button
2. Select Setup setting by right key.
3. Press shutter to confirm and select by up or down key.
4. Press shutter to format the card or memory.

5.4 Setting the resolution

The camera can be set to different resolutions.

1. Press MENU to set proper resolution.

Resolution: VGA (640 x 480) , 1.3M (1280 x 960) 3.1M (2048 x 1536),
5M (2560 x 1920), 8M (3264 x 2448), 12M (4032 x 3024)

2. Six different resolutions will be displayed. Select the desired resolution by using the ▲ or ▼buttons and then press the shutter button to confirm the selection.

5.5 Taking photographs

1. Turn on the camera by pressing the ON/OFF button.
2. Press MODE to set the camera to photo mode (**A**).
3. Depending on the distance to the object being photographed, use Macro switch to adjust the distance. Select the flower symbol ( ) if you wish to take a close-up photograph (11cm –18cm).
   If you wish to take photograph of surroundings or people (0.5m - infinity), set the Macro switch to Normal mode ( ).
4. If you are not sure if there is enough lighting, turn the automatic flash ( ) on by pressing the flash button. (If the battery power is too low, the flash won't be activated).
5. Press Shutter button and hold the camera steadily for 2 to 3 sec, until the LCD display turn on again.

Caution: 1) Taking picture for fast-moving object is not recommended.
2) Image may be distorted when taking picture in a moving vehicle.

5.6 Zoom in and out

The camera can zoom in up to 4 times.

1. Zoom in by pressing the ▲ or▼ button, a number will appear on the display. 4.0 is the maximum zoom.
2. You can zoom in by pressing the UP or DOWN button.

5.7 Taking photographs using self-timer function

You can use the self-timer function when you wish to take a photograph for yourself or when you wish to photograph for an object where the camera must be as still as possible, for example on the stand.

1. Set the camera to photo mode.
2. Press the MENU button. The quick menu will appear.
3. Press ▼ to self-timer mode, press shutter and ▲or ▼ to set the delay time: 2seconds / 10 seconds or off.
4. Press the shutter button to confirm. The self-timer function is now ready for use.
5. Press the SHUTTER button to take a photograph.
6. The self-timer indicator LED in the front will blink.
7. The photograph will be taken after the timer reaches the delay time that you pre-set, and the camera will beep once.

5.8 Recording video clips

1. Press the MODE button to select the video clip mode.
2. Press the SHUTTER button to start recording video, press the SHUTTER button again to stop recording. The video clip will now be saved as an AVI file in the camera memory.
3. Press MENU to set proper resolution, EV and WB, and press OK to confirm.

5.9 Playback photographs

1. Press MODE button, press ◄or ► to select the video photo.
2. Press ▲,photo will zoom in; press ▼,photo will zoom out
3. Press "OK"and then press ▲, ▼,◄or ► to shift the image.

5.10 Playback video clips

1. When video clips are displayed, press SHUTTER key to play, and press SHUTTER key again to stop.
2. Press MODE key to exit.

5.11 Delete photographs and video clips

You can choose to delete a single photograph / video clip, or delete all the photographs / video clips in the memory.

5.11.1 Delete photograph

Follow the instructions given below to delete photograph.

1. Press MODE key to enter the playback mode.
2. Press the MENU button and select Delete One/Delete All, press OK to confirm.
3. Press MENU to exit.

NOTE: *Select 'Deleting All' and Press OK to confirm, all the pictures will be deleted.*

6. Installing the camera driver

The driver in the CD has to be installed, under following applications:
For windows ME, Windows 2000 , Windows XP and Windows Vista: For using as a PC cam only. (Download picture /video is driver free)

6.1 Uninstalling old drivers and devices

There is a chance for a conflict between the new driver and an existing driver in the computer. In that case, it is better to remove those drivers before installing the new driver.

1. Enter Windows 'Safe Mode' (press F8 when starting Windows and then select 'Safe Mode' from the menu which will be displayed).
2. Click on 'Start – Settings – Control Panel' and double-click on 'Add/Remove Programs' icon.
3. Find all the programs for similar, old devices and remove these by clicking on the 'Add/Remove' button. When in 'Safe Mode', it is possible for some programs to appear twice. In that case, remove all the programs which appear twice.
4. Restart the computer.

6.2 Installing the driver for Windows ME / Windows 2000 / Windows XP/ Windows Vista

Note: *Make sure all other programs are closed during the installation process.*

Note: *During installation for Windows XP/Vista, you may receive a message saying that the driver has not been signed. This does not cause a problem for the functionality of the program. Please click "Yes" to continue.*

Note: *For example, 'D: \' is used to indicate the CD-ROM drive. This may be different for your computer.*

1. Insert the CD-ROM into your computer's CD-ROM drive. The installation program will start automatically. If it does not start automatically, please do the following:
   a) Select 'Run' from Windows Start menu.
   b) Type [D:\SETUP.EXE] and click on 'OK' to start the Software Installer.
2. The Software Installer will appear.
3. Select the language you wish to use for the installation.
4. Click on 'Install driver' to start the installation of the camera driver.
5. Follow the on-screen instructions.

6.3 Connecting the camera

The camera can be connected to the computer in two different modes: Mass Storage Device, or as a PC camera for video conferencing on the Internet.

6.3.1 Connecting as a mass storage device

1. Turn the camera on by pressing the ON/OFF button.
2. Press MENU button and press RIGHT key to select the Setup setting.
3. Press ▼button to set USB connection.
4. Press▲or ▼button to choose the Disk Drive mode.
5. Press OK to confirm.
6. Connect the camera to the computer.
7. Windows will automatically detect the camera. You can use this camera as a removable disk.

6.3.2 Connecting as a PC camera

When you connect the camera as a PC camera, you can use the camera as a web cam for video conferencing on the Internet by using Windows NetMeeting or Windows Messenger. (You must install the driver before connecting the Digital Camera to your computer.)

1. Turn the camera on by pressing the ON/OFF button.
2. Press MENU button and press RIGHT key to select the Setup setting.
3. Press▼ button to chook USB connection.
4. Press▲or ▼ button to choose the PC camera mode.
5. Press OK to confirm.
6. Connect the camera to the computer.
7. Windows will automatically detect the camera. You can use this camera as a web camera.

7. Trouble shooting

Problem	Cause	Solution
Cannot turn on the camera by pressing the "power" button.	Low battery power. Battery placed at wrong polarities.	Replace or install the battery correctly.
Photos can not be saved when taking pictures.	The memory card or built-in memory hasn't been formatted properly.	Format the memory in SETUP mode of the camera. Please refer to section 5.3.
Cannot find removable disk after connecting the camera to the computer.	1. Connection failure. 2. The mode of the camera is not set to removable disk properly	1. Make sure all cable connections are secured and restart the computer if necessary. 2. Set the camera to removable disk mode, refer to section 6.3.1(system setting, USB connection).
Flash does not work.	Battery Power is too low.	Replace with new ALKALINE battery.
The batteries used up very fast.	Use wrong type of battery.	Replace with new ALKALINE battery.
The photos are over exposure	Set the flash light to force mode in bright environment.	Set the Flash light to Auto mode .
The photos are blurry	1. The camera is not held steadily 2. The lens of camera is dirty 3. The camera is Set to wrong macro mode.	1. Hold the camera steadily until it beeps when taking photo. 2. Clean the lens with soft dry cloth. 3. Set the macro mode according to the distances of subject.
Get a warning message: "Capture device was not detected" when trying to open PC cam.	1. Conflict with another camera or video device. 2. The mode of the camera is not set to PC cam mode properly.	1. Remove any other camera driver completely from your system. Sometimes you have to re-install your system. 2. Set the camera to PC cam mode, refer to section 6.3.2 (system setting, USB connection).
Cannot preview image in PC Camera mode.	"Preview" is not selected in option Menu in PC.	Click "preview" in the "option" menu to select it.

For EU only